

SIEMENS

SONOCUR

SP

Planning Guide

System

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English

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Chapter	Page	Revision
all	all	01
all	all	02

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery.

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General Notes

- With distribution of these revision level, all preceding planning guides, Speed - Infos (PG's) and drafts lose their validity.
- All layouts issued by the Planning Departments must bear a note referring to the installation and delivery conditions of Siemens Medical Solutions. The installation and delivery conditions must be submitted with the layouts.
- Unless otherwise specified, all dimensions are indicated in "mm".

-  - The symbol indicates a change (see revision status).

-  - Orientation points
Points specific to system components to which reference is made when positioning system components to each other or in the room.
The isocenter of a radiographic system is always illustrated as the orientation point.

- Fixpoints
Clearly marked points on system components, installation ceiling, walls or floor on which cable outlets are located.
Illustration in the drawings: octagon with letter/number-combination.
The cable lengths specify the maximum fixpoint distances and thus the maximum distances between the individual system components.

- Room height
The room height is the distance measured from the top surface of the floor to the bottom surface of the ceiling structural elements (Unistrut rails) (bottom surface of drop ceiling).

- Room lighting
According to DIN 68 68-57 (international standard in preparation), the lighting in rooms in which image playback devices (monitors) are used for diagnosis, the following requirements must be met:

adjustable, no anti-glare screen, reproducible adjustment of the lighting (e. g. dimmer with scala),

no glare or reflection from windows, lights and light boxes in the standard working position of the monitors.

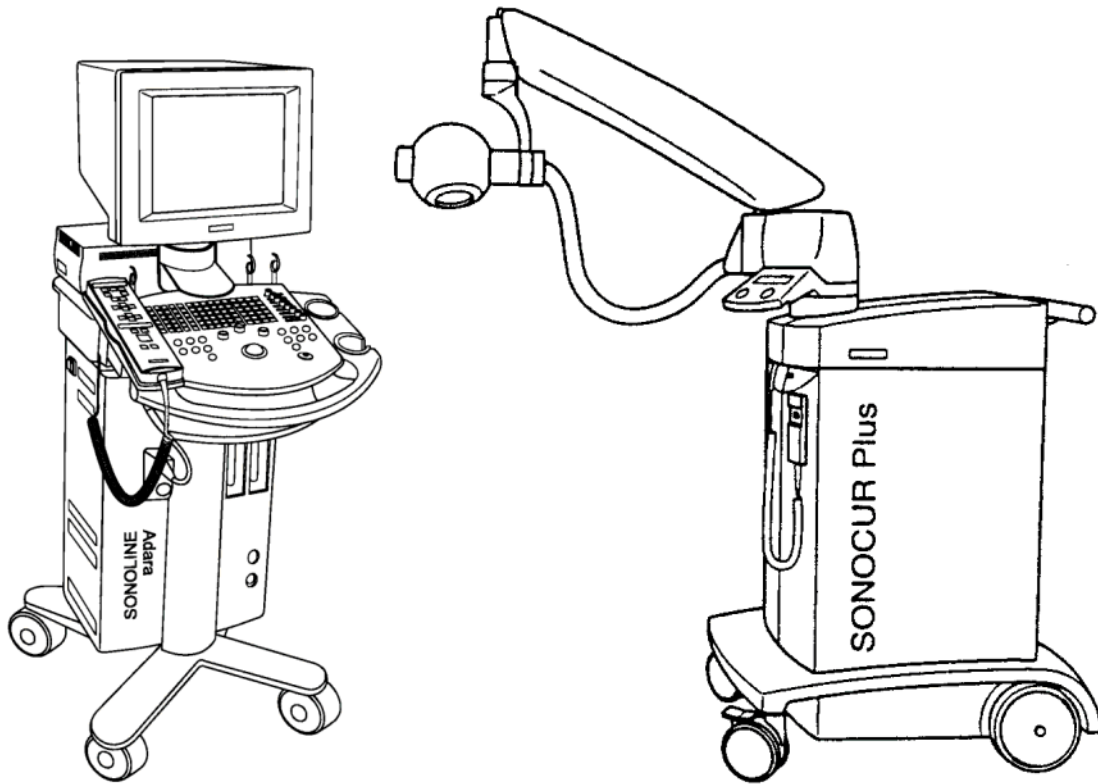
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Safety ♦

- The provisions of the relevant fire safety regulations must be observed for the premises.
- The system has been developed according to EN 60601 - 1.
- Minimum dimensions (e. g. room heights, safety distances) indicated in the planning guides are marked "min."
- Basic strength against electromagnetic sources of interference.
Result of lightning discharges.
The protection targets of the different lightning protection areas up to the unit connection are also specified in the IEC 1024, DIN 48810, VDE 0675 and in the DEMVT recommendations.

System Configuration

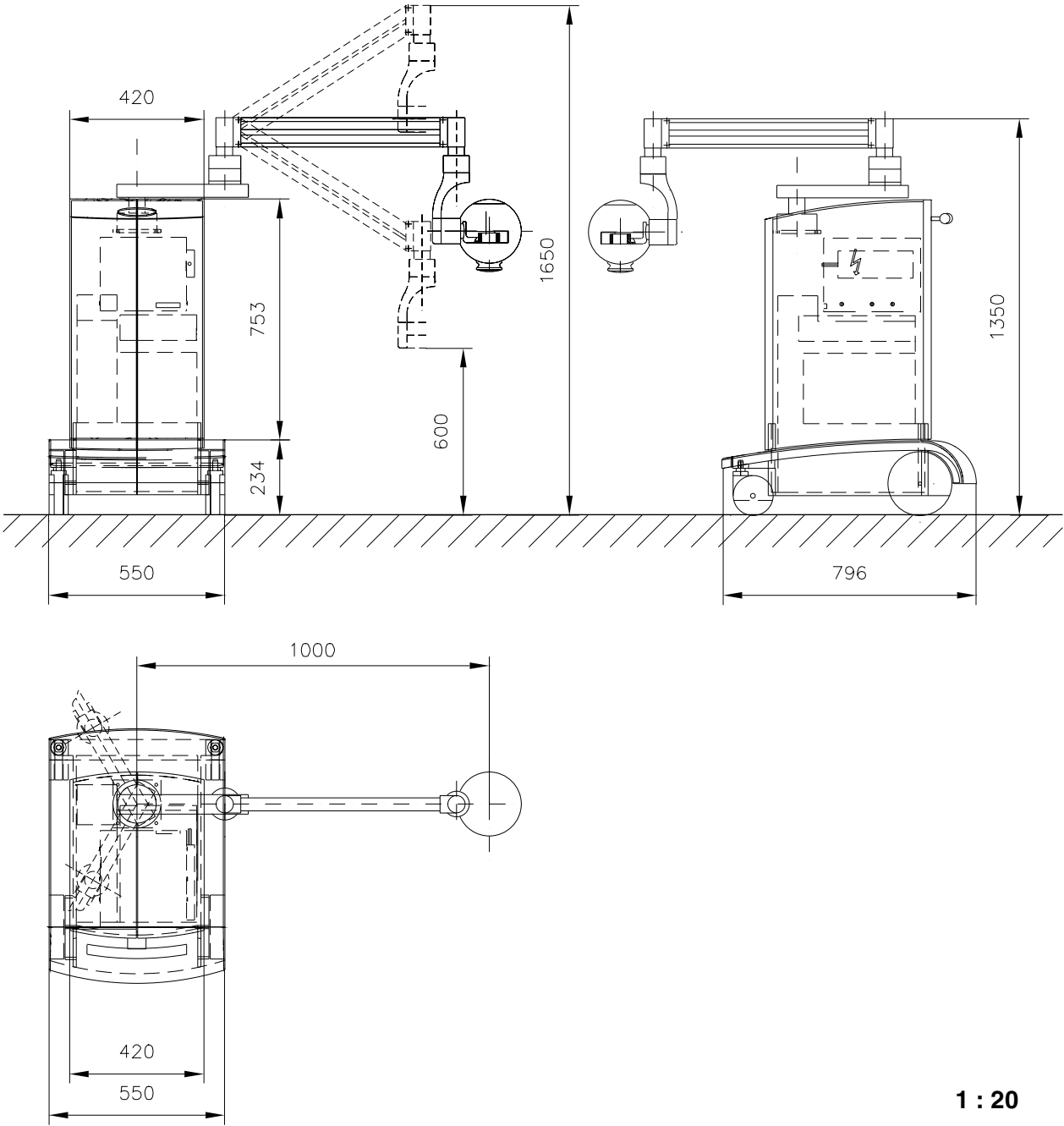
◆ (Schematic)



- ◆ SONOLINE Adara without ultrasound
- SONOCUR Plus with ultrasound

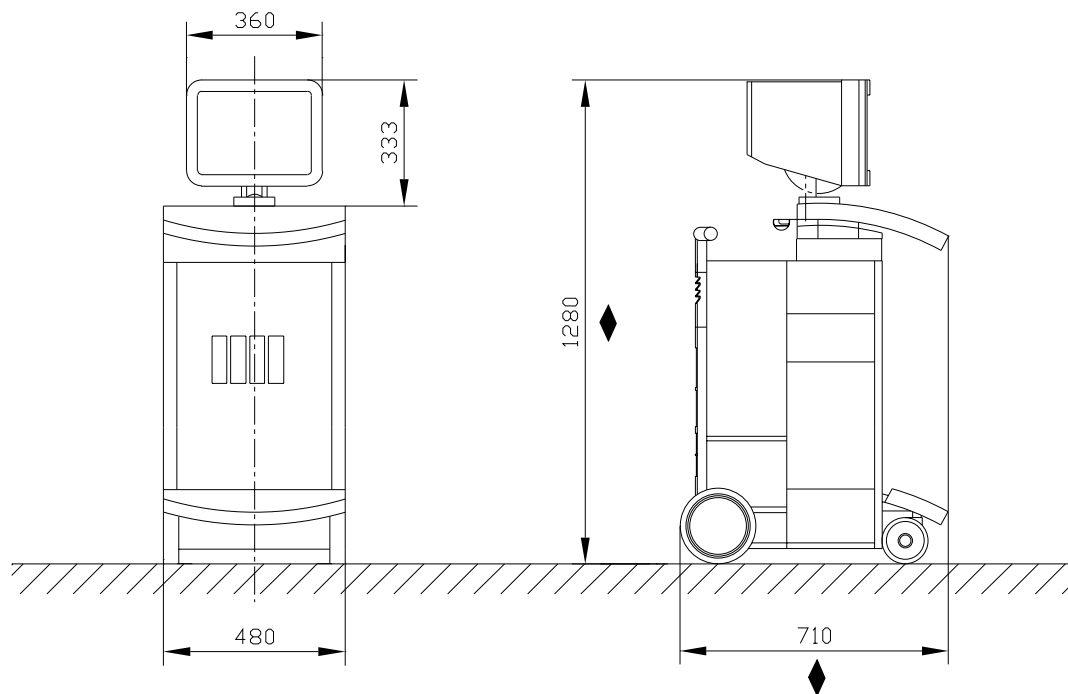
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SONOCUR Dimensions



1 : 20

Dimensions of System with Ultrasound and Monitor, Optional ◆



1 : 20

Electrical Data

	Mains connection	Fuse (internal)	Power consumption
SONOCUR	115 V \pm 10% 50/60Hz \pm 1Hz 230 V \pm 10% 50/60Hz \pm 1Hz	16 A at 115 V 16 A at 230 V	max. 1.5 kVA

NOTE

Connection requirements: In countries subject to VDE 0107, a ground fault detector must be installed for the SONOCUR system. In other countries, ensure compliance with local regulations.

Weight and Heat Dissipation ◆

—	Weight [kg]	Heat dissipation [W]
SONOCUR	approx. 160 kg	approx. 500 W
◆ Ultrasound system	approx. 60 kg	approx. 450 W

Environmental Conditions

SONOCUR	Operation	Transport / Storage
accept. ambient temperature	+ 20° C ... + 40° C	- 5° C ... + 50° C
accept. relative humidity	30 % ... 80 %	10 % ... 100 %
barometric pressure	700 hPa - 1060 hPa	500 hPa - 1060 hPa

NOTE

Drain all water prior to transport or storage.

Packing and Transport Routes

largest crate	L 1220 x W 800 x H 1800 mm
heaviest individual component	approximately 160 kg without packaging material
minimum door width for transport (without packaging)	min. 600 mm door width

Surface Colors ◆

Main system color	White pebbled, Med color no. 3111 similar to RAL gray - white 9002
Base	Med. color - no. 3551 medium basic
Transport handle	Med. color - no. 3511 medical blue
Operating handle	Med. color - no. 3511 medical blue
Pulse source	Med. color - no. 3511 medical blue

◆ Info on spray cans and paint sticks can be found in Chap. 1 of the Project Manager Handbook (PMH).

Chapter	Page	Change
0 - 4		The revision status has been changed from 01 to 02.
1	1-1 and 1-2	General notes and Safety updated.
1	1-3	System configuration updated.
2	2-2	Dimensions of system with ultrasound updated.
3	3-1 and 3-2	Electrical data updated.
		Chapter "Project Management" eliminated.
4	4-1	Changes to Previous Version added.

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